

FIG. 1

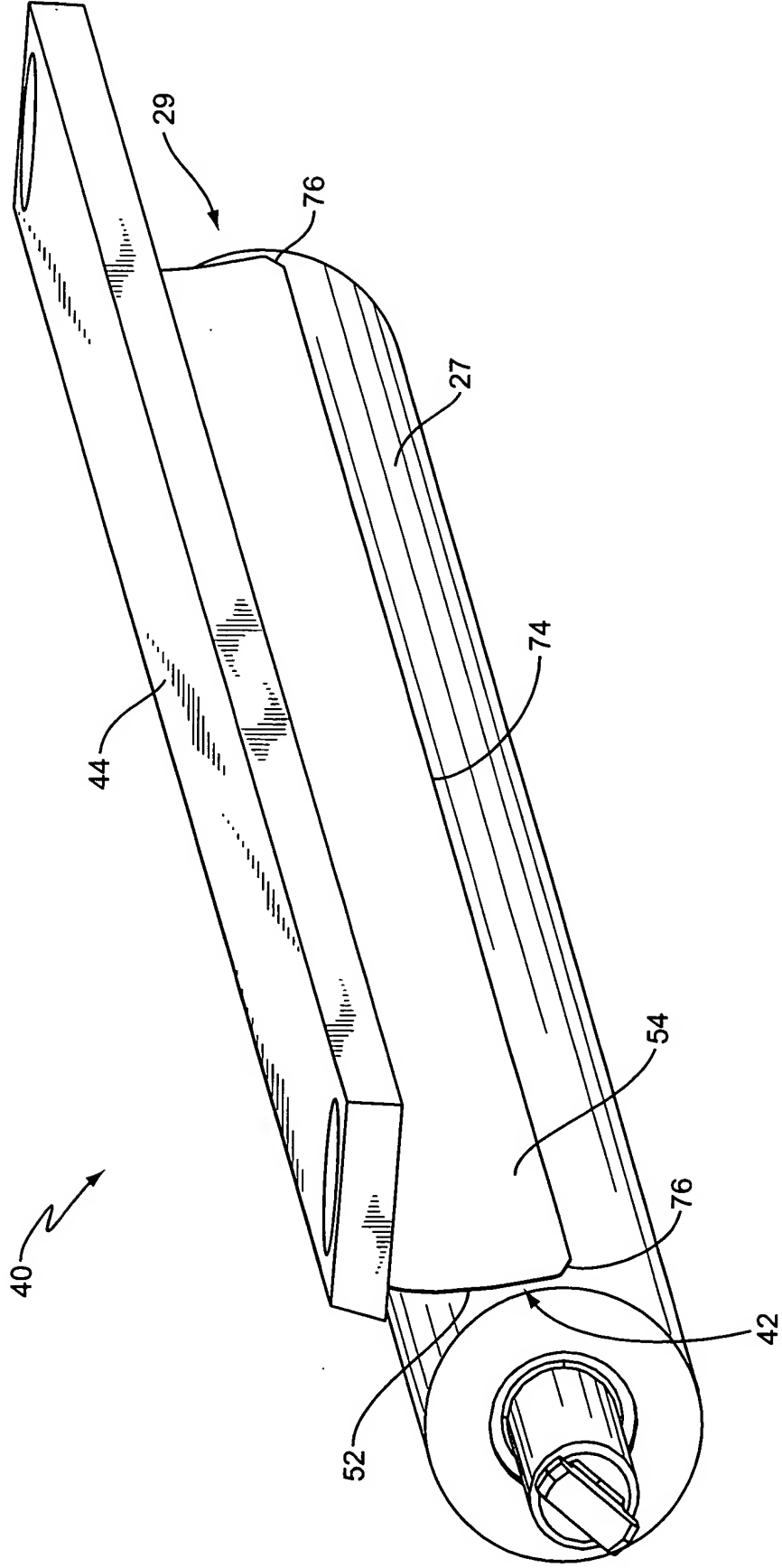


FIG. 2

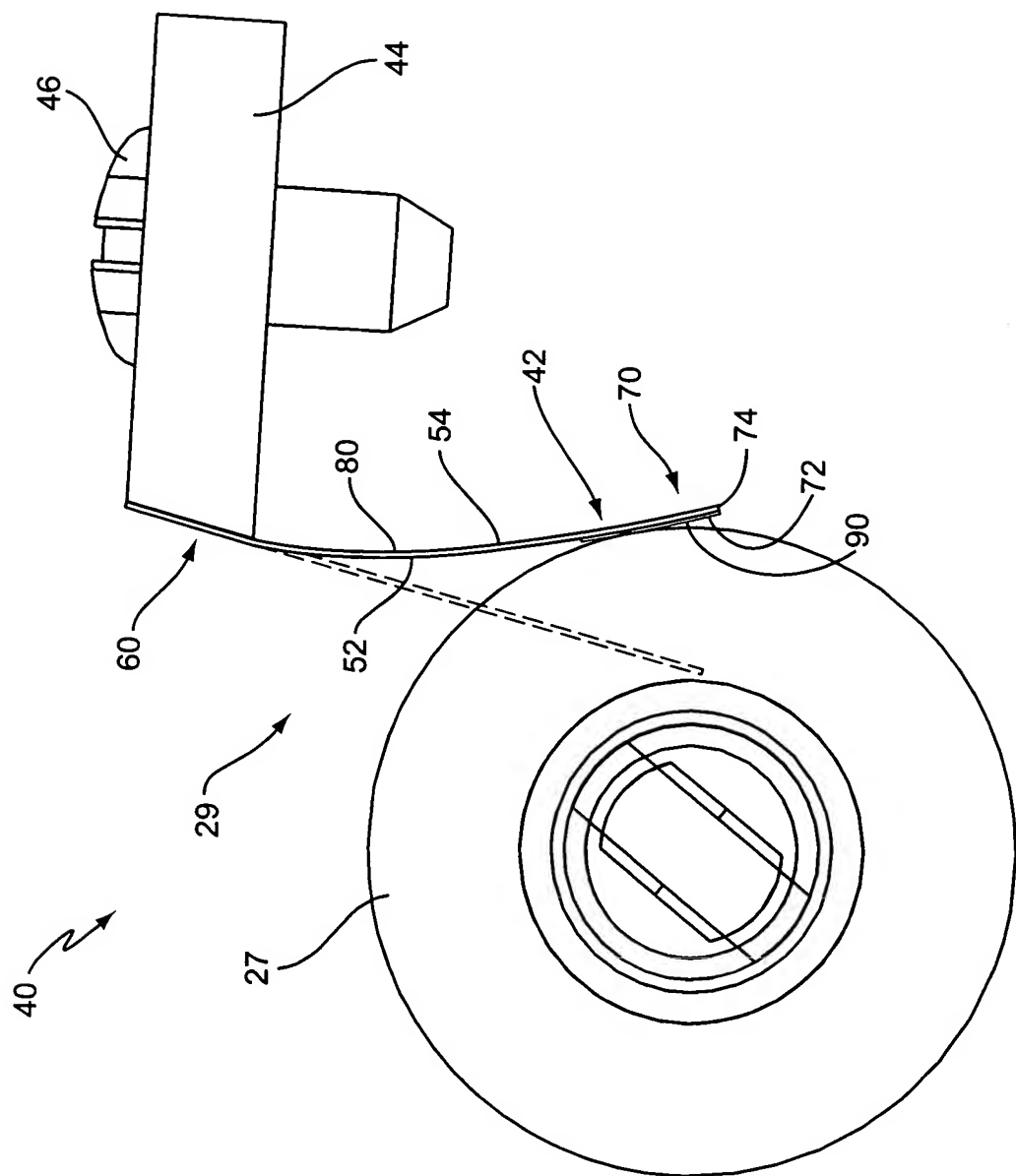


FIG. 3

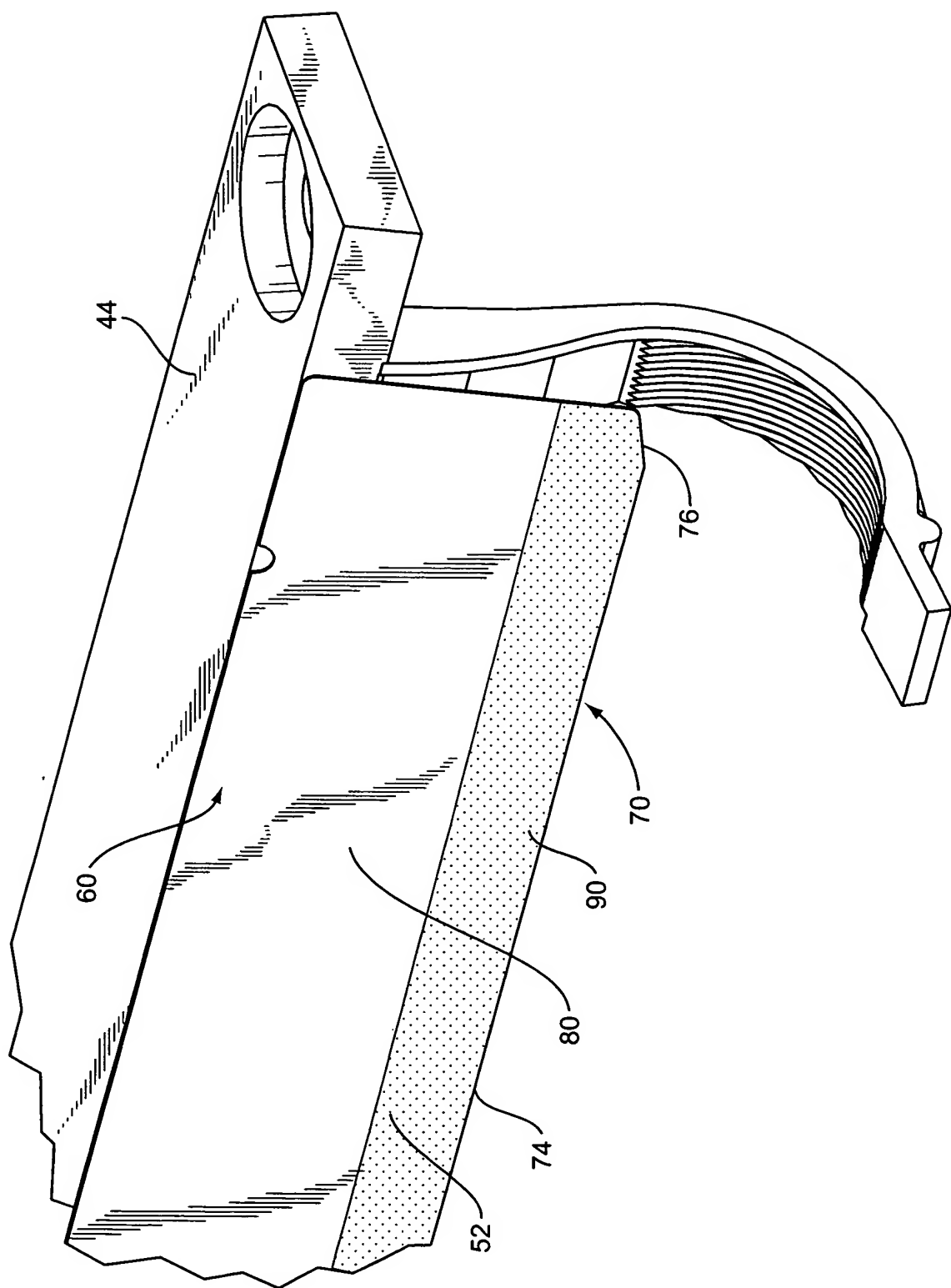


FIG. 4

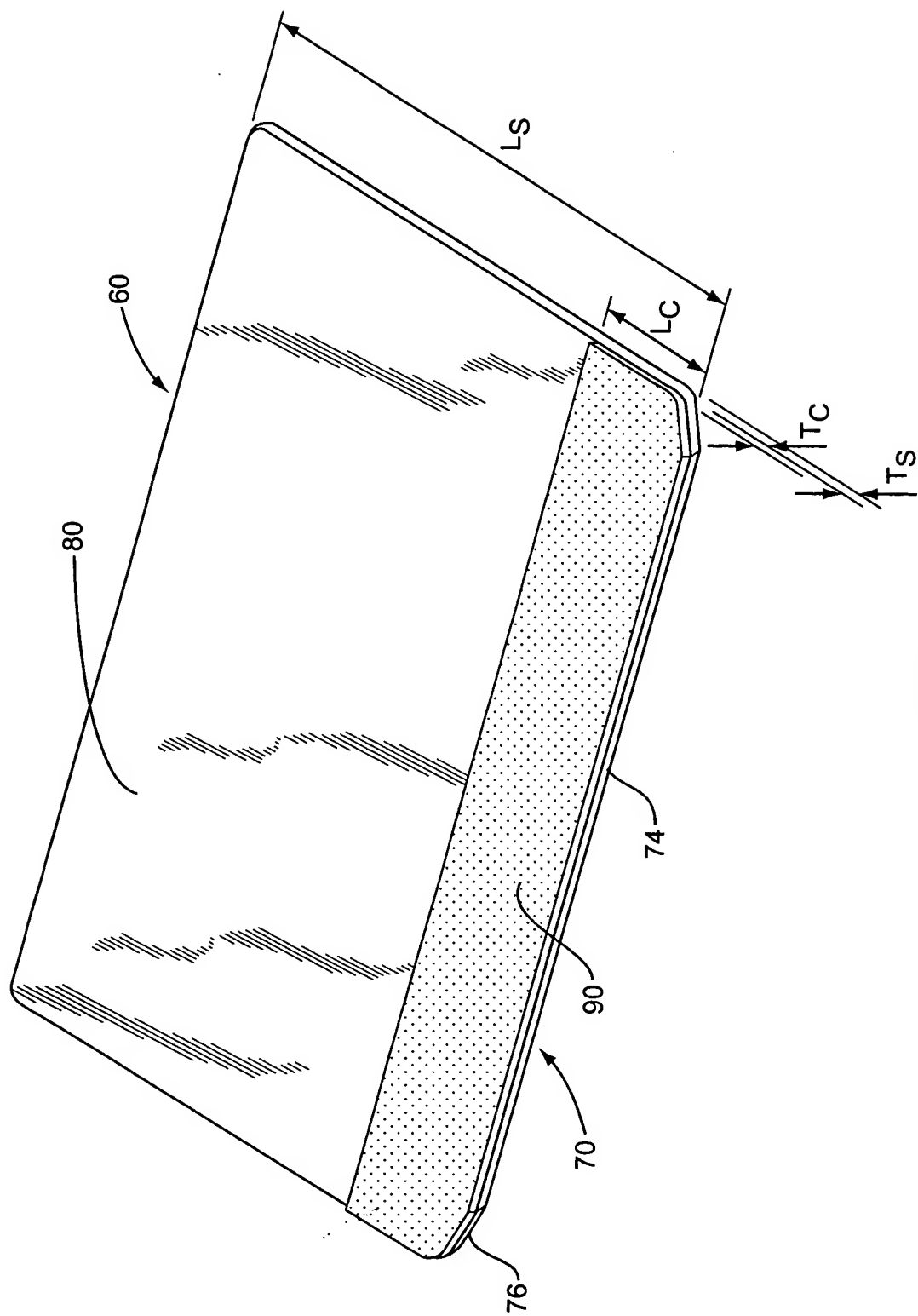


FIG. 5

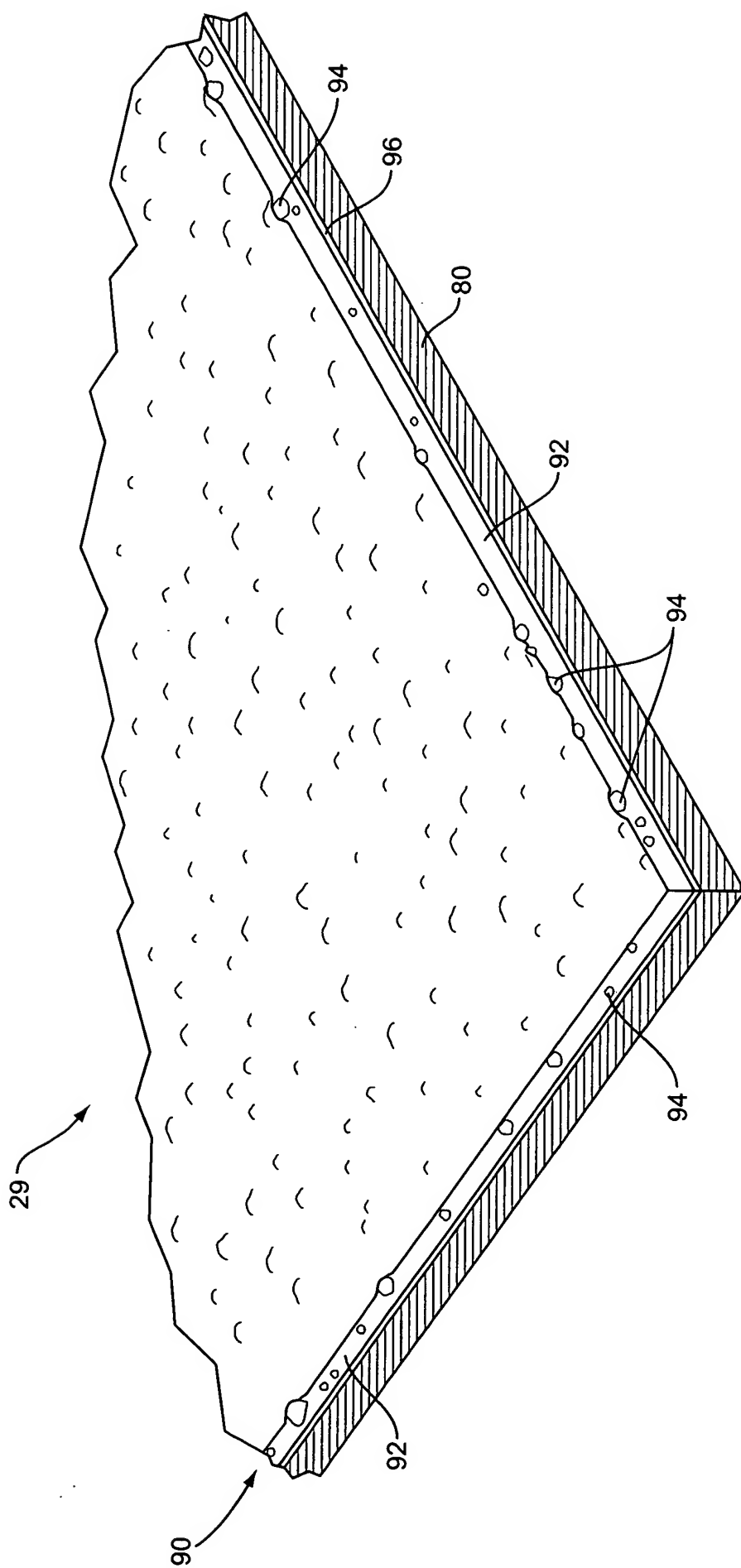


FIG. 6

Material	Parts	Supplier	Location
Adhesive CL-688 Adcote (polyester resin)	52.61	Rohm and Haas	Philadelphia, PA
Dioxane 1.4	10.53	EMD Chemicals	Gibbstown, NJ
Yelkins TS	1.05	Univar US	Harrisburg, PA
Aerosol OT 100%	0.52	Vopak USA	Houston, TX
Toluene	1.72	Alfa Aesar	Ward Hill, MA
Grit NGC 8000 Nanko (silicon carbide)	23.73	National Gypsum Co.	Charlotte, NC
Black Pearls 2000 (carbon black)	2.56	Cabot Corp.	Billerica, MA
Z Moly powder	6.09	Dow Corning	Midland, MI
CoReactant F	1.18	Rohm and Haas	Philadelphia, PA
Metacure T-12	0.01	Air Products	Rochester, NY
<i>Total Parts</i>	<i>100</i>		

FIG. 7

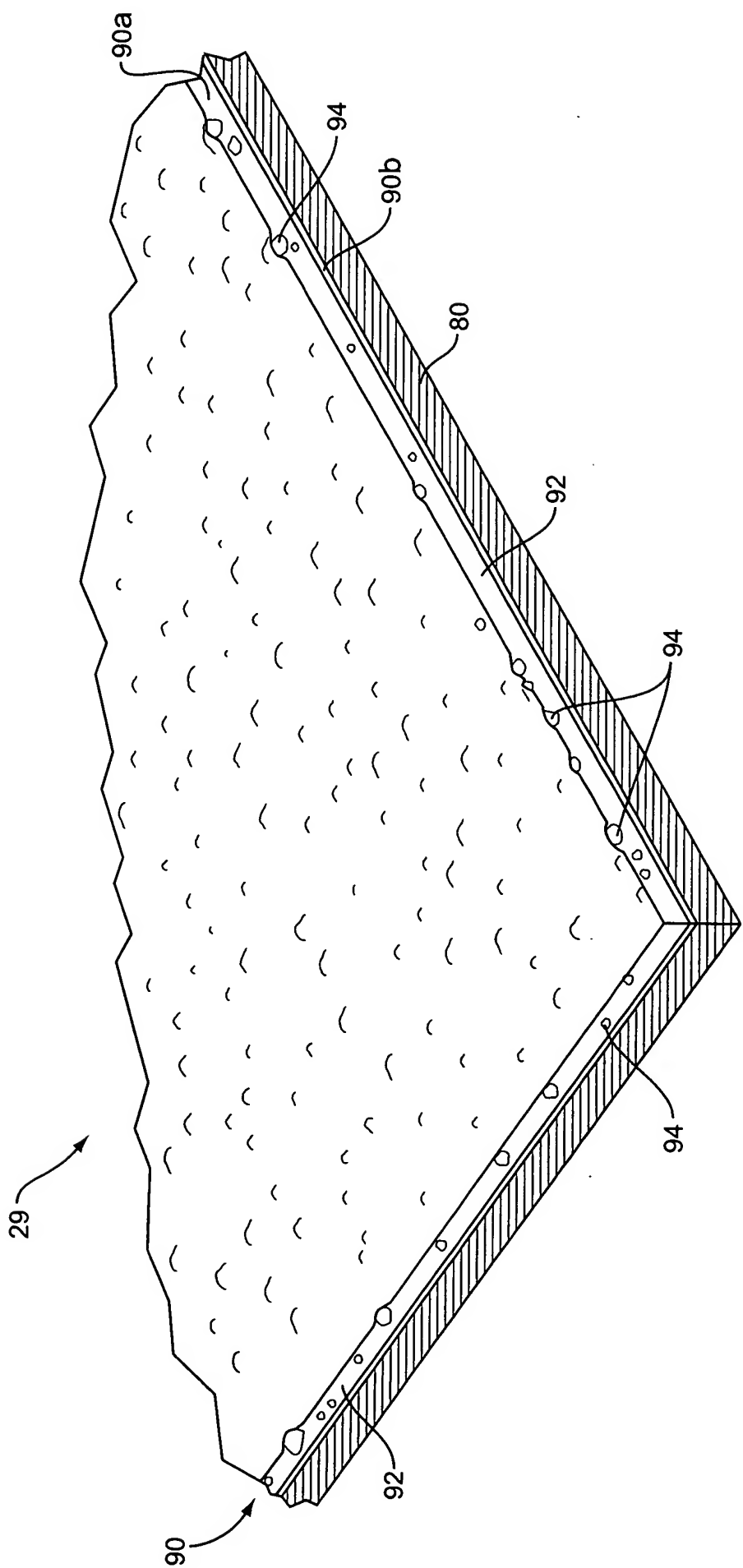


FIG. 8